

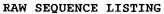
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RAW SEQUENCE LISTING DATE: 01/30/2002

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C--> 13 <141> CURRENT FILING DATE: 2002-01-07
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56 <210> SEQ ID NO: 3



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- 57 <211> LENGTH: 20
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- 59 <213> ORGANISM: Artificial Sequence
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- 87 aggatctaga ggagggcgag tggccctggc

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- 100 <210> SEQ ID NO: 7
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- 109 Ser Gln Arg Ala Lys Ala Ala Thr Ala Cys Gly Arg Pro Arg Met Leu
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- 112 Asn Arg Met Val Gly Gly Gln Asp Thr Gln Glu Gly Glu Trp Pro Trp
- 113 35 40 45
- 115 Gln Val Ser Ile Gln Arg Asn Gly Ser His Phe Cys Gly Gly Ser Leu
- 116 50 55
- 118 Ile Ala Glu Gln Trp Val Leu Thr Ala Ala His Cys Phe Arg Asn Thr
- 119 65 70 75 80
- 121 Ser Glu Thr Ser Leu Tyr Gln Val Leu Leu Gly Ala Arg Gln Leu Val
- 122 85 90 95 124 Gln Pro Gly Pro His Ala Met Tyr Ala Arg Val Arg Gln Val Glu Ser

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128			115					120					125					
	Glu		Glu	Ala	Pro	Val		Phe	Thr	Asn	Tyr		Leu	Pro	Val	Cys		
131		130	_	_	_		135					140						
	Leu	Pro	Asp	Pro	Ser		Ile	Phe	Glu	Thr		Met	Asn	Cys	Trp			
	145	C1	m non	01	000	150	C	a2	a1	3	155	T	D	α1	D	160		
137	Thr	СТУ	ттр	СТУ	165	Pro	ser	GIU	GIU	170	Leu	ьeu	Pro	GIU		Arg		
	Ile	T.011	Gln.	Luc		λla	Wa 1	Dro	т10		λan	Thr	Dro	T ***C	175	N a m		
140	110	Dea	OIII	180	пси	nia	VUI	110	185	116	nsp	1111	FIO	190	Cys	ASII		
	Leu	Leu	Tvr		Lvs	Asp	Thr	Glu		Glv	Tvr	Gln	Pro		Thr	Tle		
143			195		-1-			200		U-1	-1-	0.2.1.	205	270		110		
145	Lys	Asn	Asp	Met	Leu	Cys	Ala	Gly	Phe	Glu	Glu	Gly	Lys	Lys	Asp	Äla		
146		210	_			-	215	-				220	-	•	-			
148	Cys	Lys	Gly	Asp	Ser	Gly	Gly	Pro	Leu	Val	Cys	Leu	Val	Gly	Gln	Ser		
	225					230	•				235					240		
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152	_	_	_		245					250					255			
	Asn	Arg	Pro		Val	Tyr	Ile			Thr	Ala	His	His		\mathtt{Trp}	Ile		
155	T7	7	T1_	260	D	T	T		265	01	_		_	270	a 1	~ 3		
158	His	Arg	275	тте	PIO	гàг	ьeu	280	Pne	GIN	Pro	Ala	_	Leu	GTA	GIY		
	Gln	T.v.c	213					200					285					
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																attac		
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186	ggca	agaa	gg a	tgcc	tgca	a gg	gcga	ctcg	ggc	ggcc	CCC	tggt	gtgc	ct c	gtgg	gtcag	780	
100	ccgt	ggct	.gc a	.ggcg	gggg	τga	tcag	ctgg	ggt	gagg	gct	gtgc	ccgc	ca g	aacc	gccca	840	
	~ + ~	+ - + -	a -	~~-	a+	~ ~-	00			+	.						000	
180	ggtg	tcta	ca t	ccgt	gtca	c cg	ccca	ccac	aac	tgga	tcc	atcg	gato	at c	ccca	aactg actag	900	



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191	agu	agtttggaca aaccacaact agaatgcagt gaaaaaaatg ctttatttgt gaaatttgtg 1080															
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203	<40	0> s					-	_									
204	Met	Asp	Ser	Lys	Gly	Ser	Ser	Gln	Lys	Ser	Arg	Leu	Leu	Leu	Leu	Leu	
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207	Val	Val	Ser	Asn	Leu	Leu	Leu	Cys	Gln	Gly	Val	Val	Ser	Asp	Tyr	Lys	
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214		50					55					60					* .
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		Ile	Ата	GLu		Trp	vaı	Leu	Thr		Ala	His	Cys	Phe	_	Asn	
220		Cor	Clu	mh r	85	Ton	M	C1 n	37-1	90	T 0.11	a 1	7.1.	7	95	T	
223		Ser	Gru	100	ser	ьеu	тăт	GIII	105	Leu	Leu	СТУ	Ата	110	GIN	Leu	
		Gln	Pro		Pro	ніс	Δla	Mot		λla	λνα	Va 1	λκα		Wa 1	Clu	
226		0111	115	OT Y	110	1113	ALU	120	ı yı	АΙα	Ary	Val	125	GIII	Val	GIU	
		Asn		Leu	Tvr	Gln	Glv		Ala	Ser	Ser	Ala		Va1	λla	Leu	
229		130					135					140					
231	Val	Glu	Leu	Glu	Ala	Pro	Val	Pro	Phe	Thr	Asn	Tyr	Ile	Leu	Pro	Val	
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234	Cys	Leu	Pro	Asp	Pro	Ser	Val	Ile	Phe	Glu	Thr	Gly	Met	Asn	Cys	Trp	
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	ASN	Leu	Leu	Tyr	ser	Lys		Thr	Glu	Phe	GLY		GIn	Pro	Lys	Thr	
244	Tla	210	7 cn	A an	Wo+	Tou	215	7 l a	C1	nho	61. .	220	03	T	T	3	
240	225	Lys	ASII	ASP	мес	230	Cys	Ата	GIA	Pne	235	GIU	стх	ьys	rÀs		
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250	пта	Cys	درات	GIY	245	SET	GTĀ	GTÄ	F10	250	val	Cys	neu	val	255	GIII	
	Ser	Trp	Leu	Gln		Glv	Va 1	Tle	Ser		Glv	Glu	G1 v	Cve		Δrσ	
253				260			,		265		<u>- 7</u>	JIU	O L Y	270	111U	111 Y	
	Gln	Asn	Arg		Gly	Val	Tyr	Ile		Val	Thr	Ala	His		Asn	Trp	
256			275					280	. ,		 _		285			- L	
258	Ile	His	Arg	Ile	Ile	Pro	Lys	Leu	Gln	Phe	Gln	Pro		Arg	Leu	Gly	
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RAW SEQUENCE LISTING

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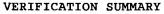
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- 269 <220> FEATURE:
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- 276 <211> LENGTH: 4
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- 278 <213> ORGANISM: Artificial Sequence
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- 281 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide substrate
- 283 <400> SEQUENCE: 11
- 284 Ala Ala Pro Val



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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date